



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:

Attorney Docket No.: 2733.29US01

Rostyslav Ilyushenko et al.

Confirmation No.: 7171

Application No.: 10/533,177

Examiner: Unknown

Filed: April 29, 2005

Group Art Unit: 1725

For: WELDING METHOD

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INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. § 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached Form PTO-1449. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom. The listing of a reference herein is not an admission that the reference is prior art or that the reference is material to patentability.

This information is being filed before the mailing date of a first Office Action on the merits. No certification or fee is required.

Some of the references were cited in counterpart foreign applications. English language foreign search reports (for Application No. EP 02257632.6 and Application No. PCT/GB03/04646) are attached for the Examiner's information.

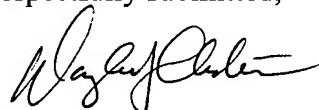
Please note that the following foreign language reference has an English language counterpart which is listed on the attached Form PTO-1449:

U.S. Patent No. 6,799,708 B2 is an English language counterpart to DE 199 57 136 C1.

The concise relevance of the three Japanese language references (JP 52131943, JP 2001-234308, and JP 2002-249860) is believed to be as indicated in the PCT/GB03/04646 search report: defining the general state of the art which is not considered to be of particular relevance. English abstracts are also included for these three references.

This application was filed after June 30, 2003; therefore, copies of cited U.S. patents and U.S. published applications are not included.

Respectfully submitted,



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Douglas J. Christensen

## Substitute for form 1449/PTO

O I P E INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
*(Use as many sheets as necessary)*

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PATENT AND TRADEMARK OFFICE  
U.S. DEPARTMENT OF COMMERCE

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of

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*Complete if Known*

Application Number 10/533,177

Filing Date April 29, 2005

First Named Inventor Rostyslav Ilyushenko

Art Unit 1725

Examiner Name Unknown

Attorney Docket Number 2733.29US01

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL <sup>*</sup>	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number-Kind Code <sup>2</sup> ( <i>if known</i> )		
		US-5,211,910	05/18/1993	Pickens et al.
		US-5,460,317	10/24/1995	Thomas et al.
		US-5,813,592	09/29/1998	Midling et al.
		US-6,045,028	04/04/2000	Martin et al.
		US-6,050,475	04/18/2000	Kinton et al.
		US-6,227,430 B1	05/08/2001	Rosen et al.
		US-2003/0218052 A2	11/27/2003	Litwinski
		US-6,799,708 B2	10/05/2004	von Strombeck et al.
	US-			
	US-			
	US-			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL <sup>*</sup>	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> ( <i>if known</i> )			
		WO 93/10935	06/10/1993	Thomas	
		WO 95/26254	10/05/1995	Midling	
		WO 01/83153 A1	11/08/2001	Gendoh	
		EP 0 615 480 B1	09/21/1994	Thomas	
		EP 0 810 054 A1	12/03/1997	Colligan	
		EP 0 810 055 A1	12/03/1997	Cooligan	
		EP 1 162 283 A2	12/12/2001	Forrest	
		DE 199 57 136.C1	02/08/2001	Strombeck	
		JP 52 131943 A	11/05/1977	Hitachi Ltd.	X (abstract)
		JP 2001-234308	08/31/2001	Taira	X (abstract)
		JP 2002-249860	09/06/2002	Shigematsu	X (abstract)

EXAMINER SIGNATURE

DATE  
CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

Substitute for form 1449/PTO				<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	10/533,177
				Filing Date	April 29, 2005
				First Named Inventor	Rostyslav Ilyushenko
				Art Unit	1725
				Examiner Name	Unknown
Sheet	2	of	2	Attorney Docket Number	
NON PATENT LITERATURE DOCUMENTS					
EXAMINER INITIAL*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T <sup>2</sup>
		HERMANN et al., "Liquation cracking in aluminum alloy welds," <u>Materials Science &amp; Engineering</u> , A212, pp. 247-255 (1996).			
		LU et al., "Simulation of microstructure and liquation cracking in 7017 Aluminum alloy," <u>Materials Science &amp; Engineering</u> , A220, pp. 1-7 (1996).			
		SAITO et al., "Grain refinement of 1050 aluminum alloy by friction stir Processing," <u>J. Materials Science Letters</u> , Vol. 20, pp. 1913-1915 (2001).			
		DVORNAK et al., "The Weldability and Grain Refinement of Al-2.2Li-2.7Cu," <u>Welding Journal</u> , Vol. 68, No. 8, pp. 327-s – 335-s (1989).			
EXAMINER SIGNATURE				DATE CONSIDERED	
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.</p> <p>This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.</p>					
<p><i>If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.</i></p>					